

Data Path : Z:\HPCHEM1\BNA E\DATA\BE091415\
 Data File : BE090817.D
 Acq On : 15 Sep 2015 2:20
 Operator : UM/IZ
 Sample : G3658-07
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 091315-D534-F-D-B

Quant Time: Sep 15 03:52:20 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 02 11:40:50 2015
 Response via : Initial Calibration

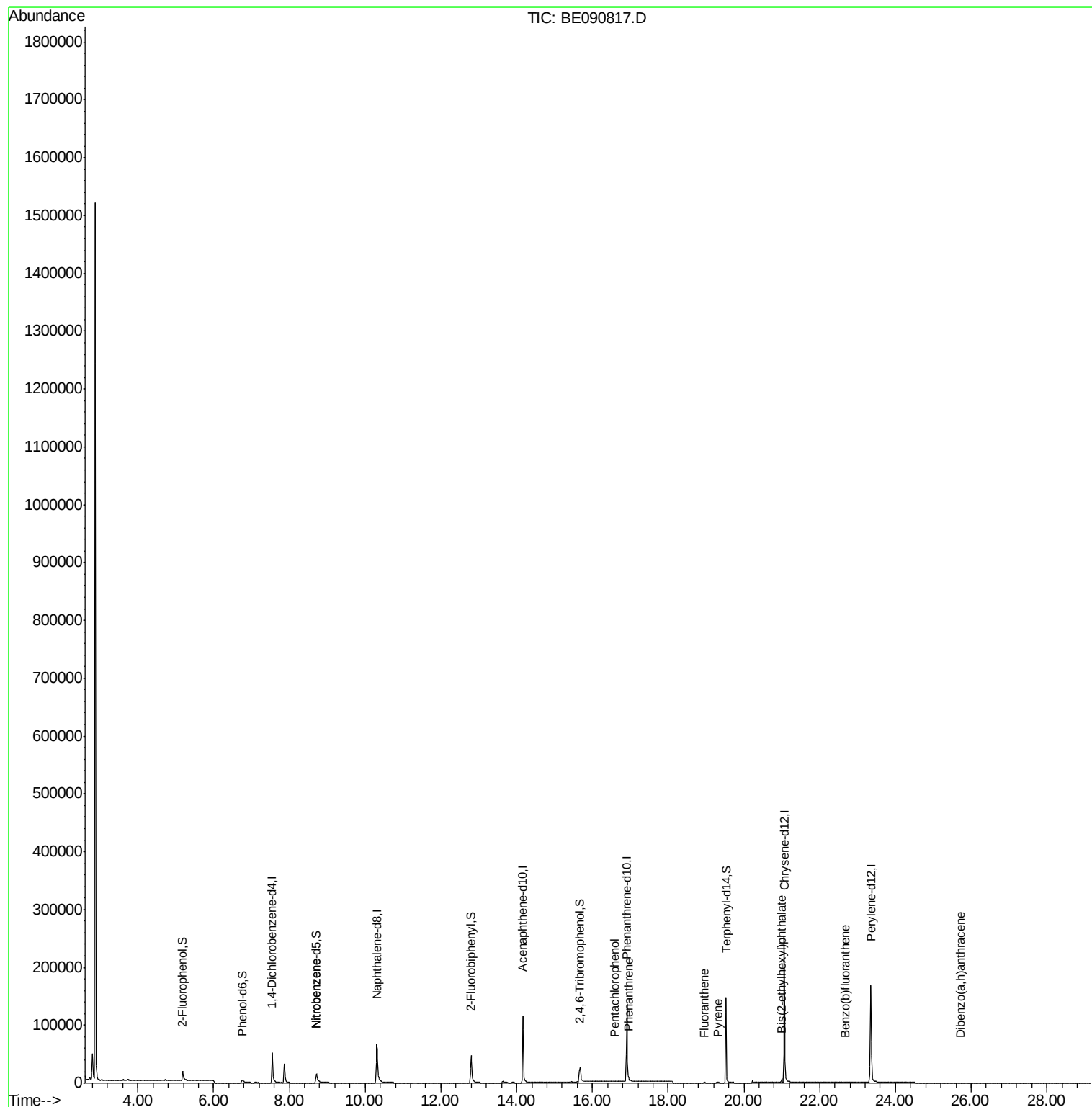
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	32594	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	140657	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	73448	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	189616	5.00	ng	0.00
25) Chrysene-d12	21.07	240	254272	5.00	ng	0.00
32) Perylene-d12	23.35	264	238779	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.18	112	17617	2.78	ng	0.00
5) Phenol-d6	6.75	99	13957	1.54	ng	0.00
7) Nitrobenzene-d5	8.71	82	31055	3.34	ng	0.00
13) 2,4,6-Tribromophenol	15.68	330	14752	6.86	ng	0.00
14) 2-Fluorobiphenyl	12.80	172	75403	3.71	ng	0.00
27) Terphenyl-d14	19.53	244	156680	5.57	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.15	88	94	Below Cal	#	1
3) n-Nitrosodimethylamine	3.47	42	17	Below Cal	#	1
8) Nitrobenzene	8.71	77	15	0.11 ng	#	1
20) Hexachlorobenzene	16.27	284	109	Below Cal	#	37
21) Pentachlorophenol	16.60	266	17	0.47 ng	#	63
22) Phenanthrene	16.95	178	1043	0.02 ng	#	61
24) Fluoranthene	18.96	202	1674	0.03 ng		100
26) Pyrene	19.32	202	2029	0.04 ng	#	91
29) Chrysene	21.10	228	980	Below Cal	#	83
30) Bis(2-ethylhexyl)phthalate	21.00	149	6644	0.51 ng	#	99
33) Benzo(b)fluoranthene	22.67	252	1173	0.02 ng	#	2
36) Dibenzo(a,h)anthracene	25.74	278	34	0.14 ng	#	1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 02 11:40:50 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.55 min Scan# 838

Delta R.T. -0.00 min

Lab File: BE090817.D

Acq: 15 Sep 2015 2:20

Instrument :

BNA_E

ClientSampleId :

091315-D534-F-D-B

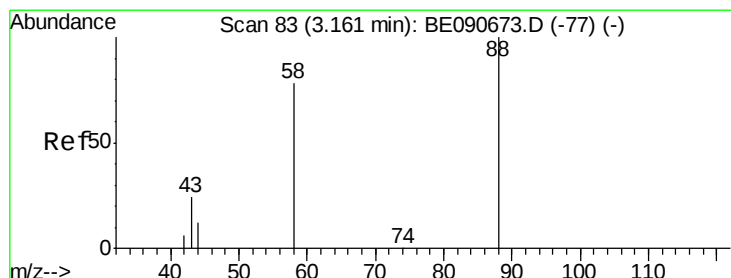
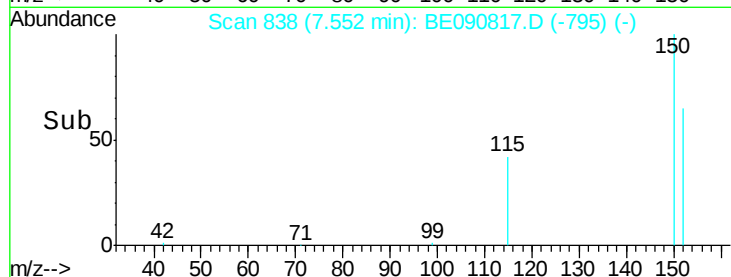
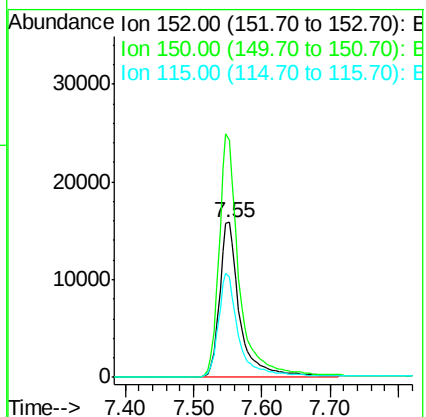
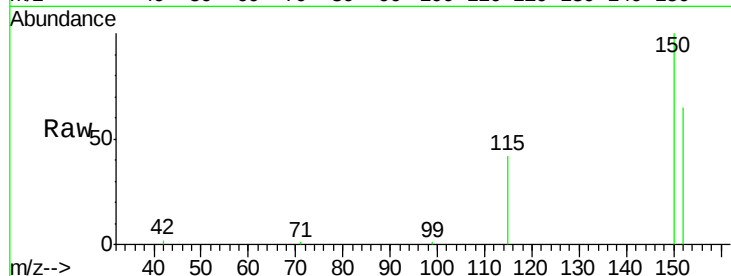
Tot Ion:152 Resp: 32594

Ion Ratio Lower Upper

152 100

150 153.2 122.2 183.4

115 64.5 51.0 76.4



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.15 min Scan# 82

Delta R.T. -0.01 min

Lab File: BE090817.D

Acq: 15 Sep 2015 2:20

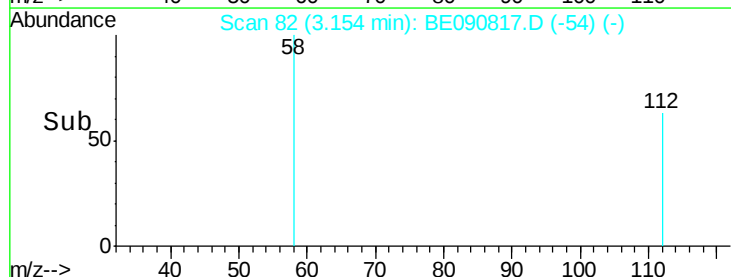
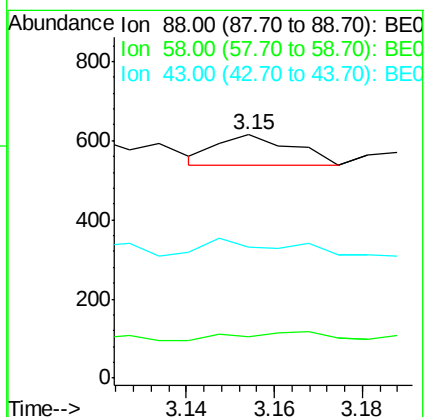
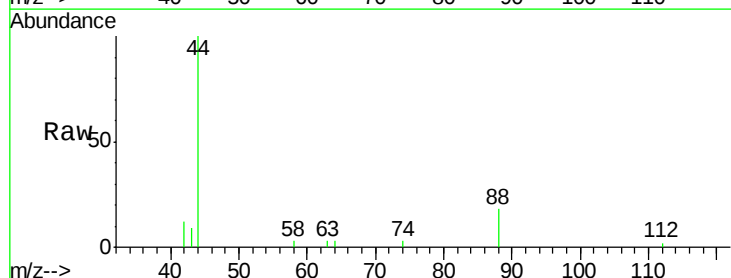
Tgt Ion: 88 Resp: 94

Ion Ratio Lower Upper

88 100

58 0.0 68.4 102.6#

43 143.6 26.9 40.3#



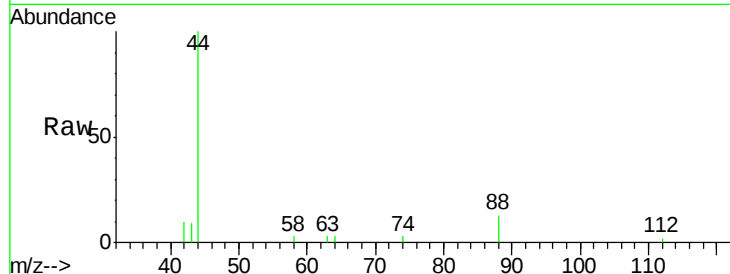


#3

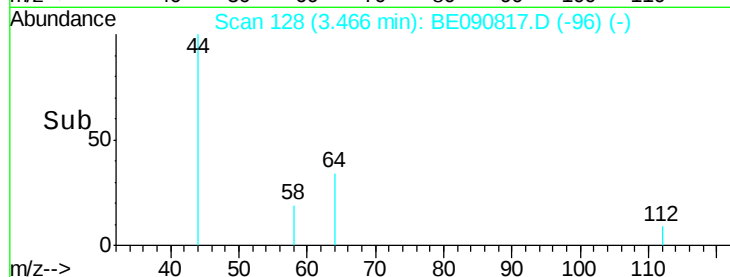
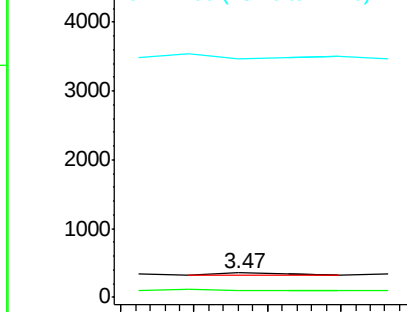
n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.47 min Scan# 128
 Delta R.T. 0.01 min
 Lab File: BE090817.D
 Acq: 15 Sep 2015 2:20

Instrument :
 BNA_E
 ClientSampleId :
 091315-D534-F-D-B

Tot Ion: 42 Resp: 17
 Ion Ratio Lower Upper
 42 100
 74 335.3 83.7 125.5#
 44 0.0 10.0 15.0#



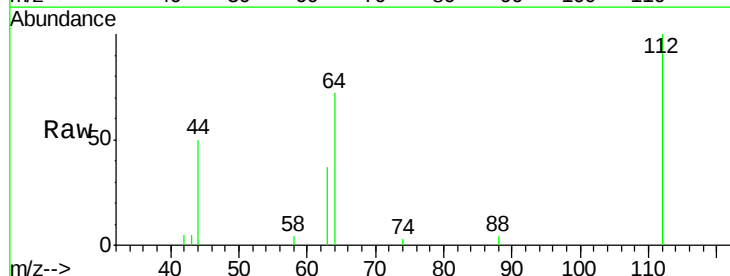
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



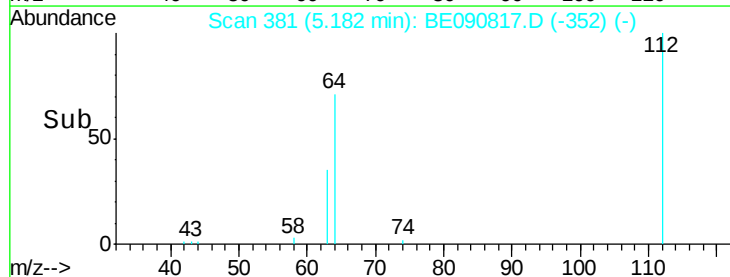
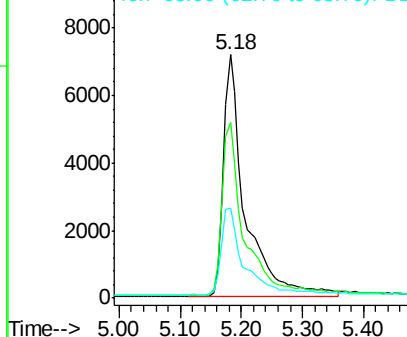
#4

2-Fluorophenol
 Concen: 2.78 ng
 RT: 5.18 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: BE090817.D
 Acq: 15 Sep 2015 2:20

Tgt Ion: 112 Resp: 17617
 Ion Ratio Lower Upper
 112 100
 64 73.6 57.3 85.9
 63 38.0 29.2 43.8



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BE0
 Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.54 ng

RT: 6.75 min Scan# 662

Delta R.T. 0.00 min

Lab File: BE090817.D

Acq: 15 Sep 2015 2:20

Instrument :

BNA_E

ClientSampleId :

091315-D534-F-D-B

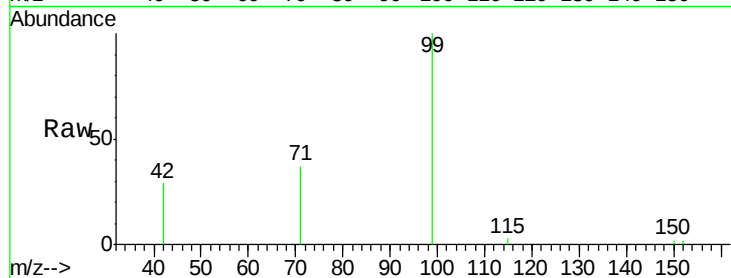
Tot Ion: 99 Resp: 13957

Ion Ratio Lower Upper

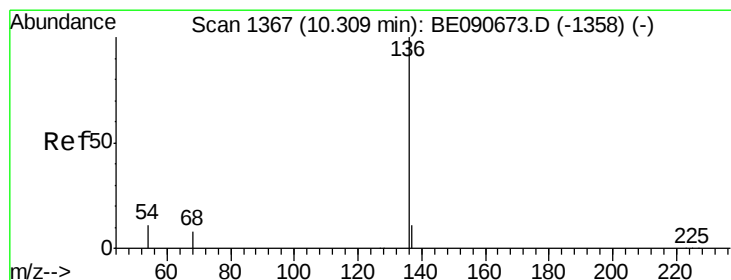
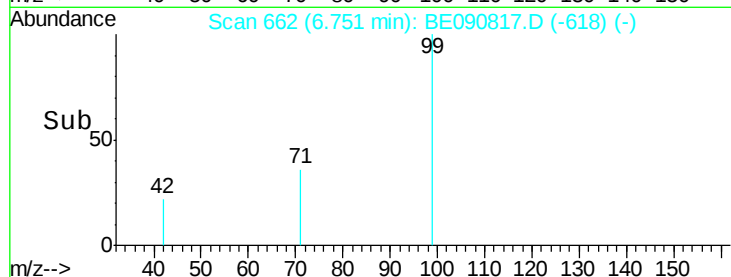
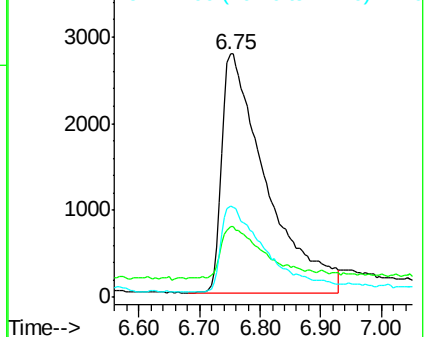
99 100

42 21.1 16.8 25.2

71 35.1 28.3 42.5



Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.31 min Scan# 1367

Delta R.T. 0.00 min

Lab File: BE090817.D

Acq: 15 Sep 2015 2:20

Tgt Ion: 136 Resp: 140657

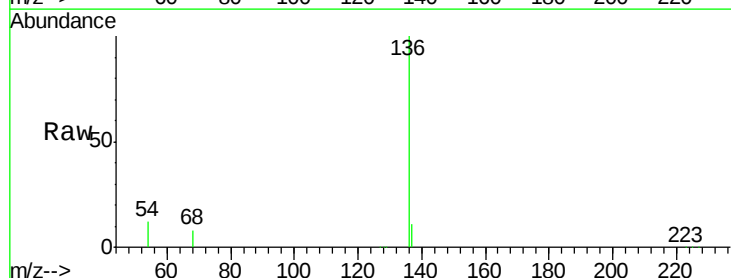
Ion Ratio Lower Upper

136 100

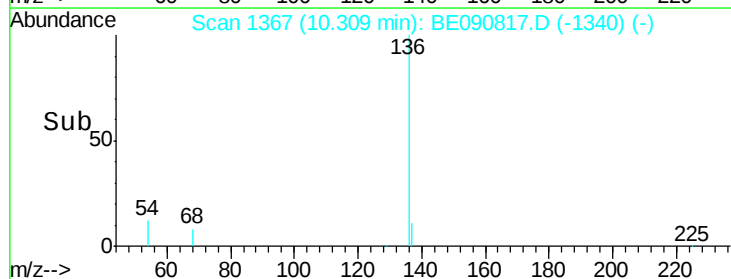
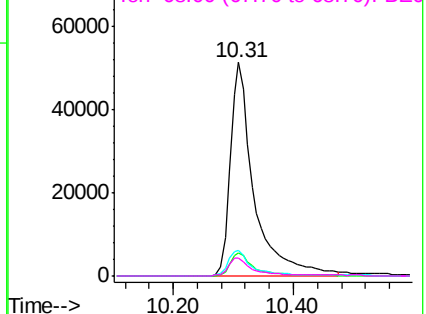
137 10.7 8.7 13.1

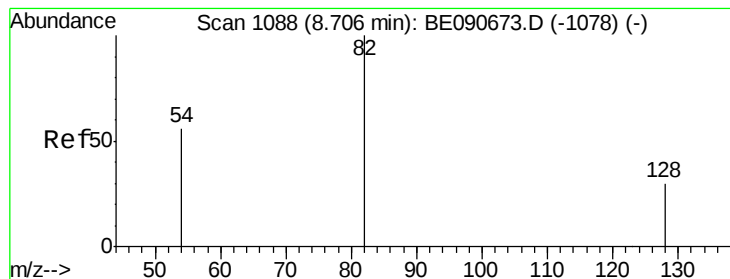
54 11.7 9.0 13.6

68 8.3 6.3 9.5



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0





#7

Nitrobenzene-d5

Concen: 3.34 ng

RT: 8.71 min Scan# 1089

Delta R.T. 0.00 min

Lab File: BE090817.D

Acq: 15 Sep 2015 2:20

Instrument :

BNA_E

ClientSampleId :

091315-D534-F-D-B

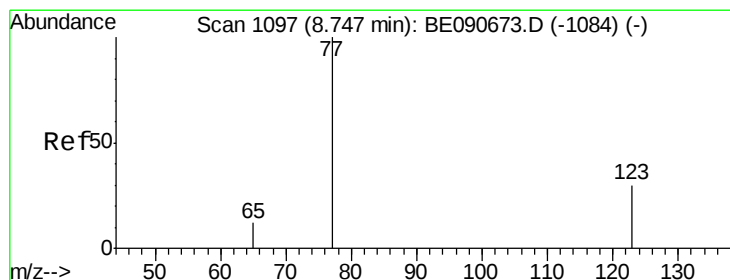
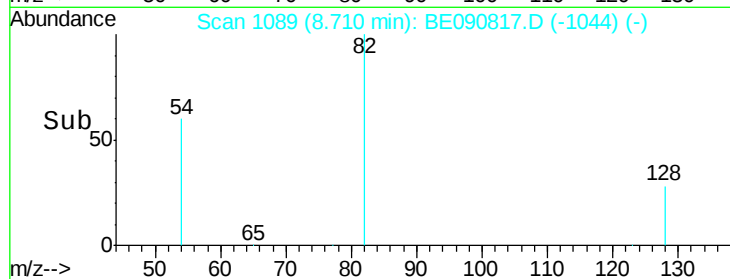
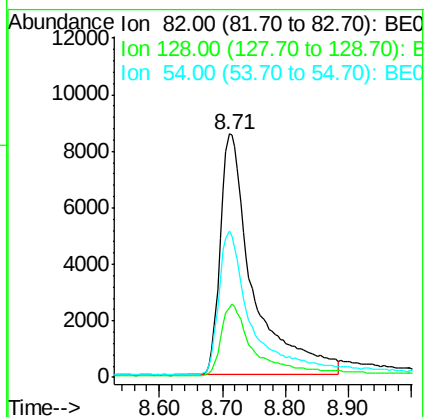
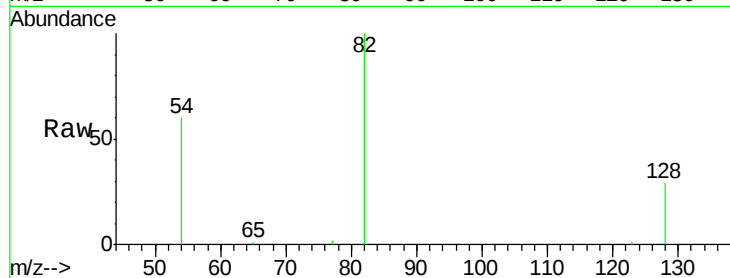
Tot Ion: 82 Resp: 31055

Ion Ratio Lower Upper

82 100

128 28.8 25.0 37.4

54 60.3 46.3 69.5



#8

Nitrobenzene

Concen: 0.11 ng

RT: 8.71 min Scan# 1089

Delta R.T. -0.04 min

Lab File: BE090817.D

Acq: 15 Sep 2015 2:20

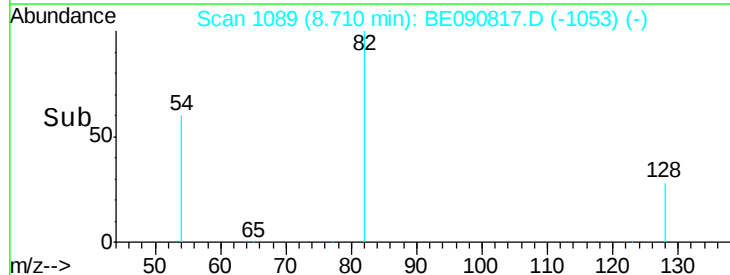
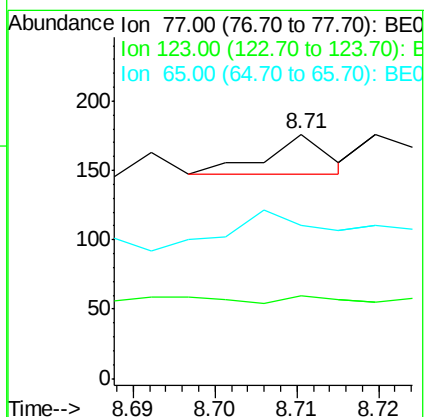
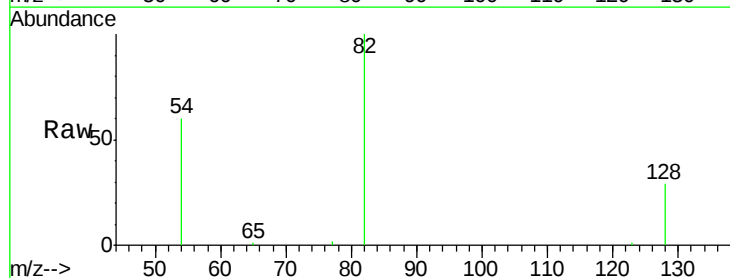
Tgt Ion: 77 Resp: 15

Ion Ratio Lower Upper

77 100

123 33.3 25.1 37.7

65 280.0 9.9 14.9#





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.17 min Scan# 2070

Delta R.T. -0.00 min

Lab File: BE090817.D

Acq: 15 Sep 2015 2:20

Instrument :

BNA_E

ClientSampleId :

091315-D534-F-D-B

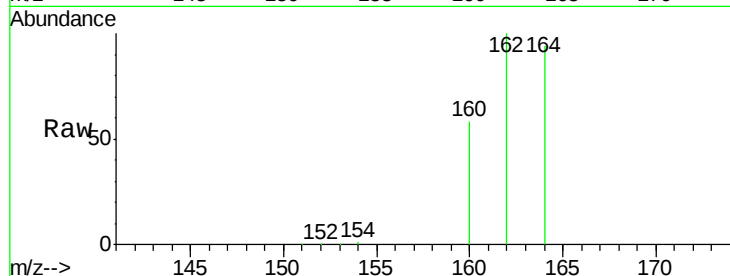
Tot Ion:164 Resp: 73448

Ion Ratio Lower Upper

164 100

162 106.5 86.8 130.2

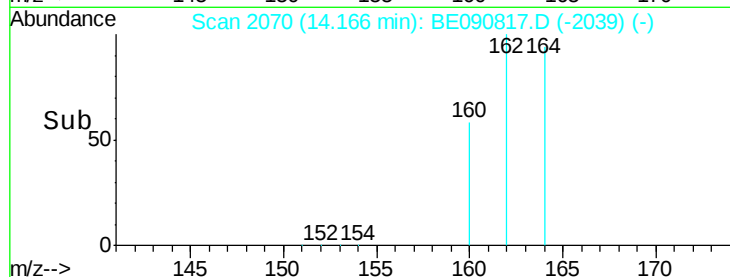
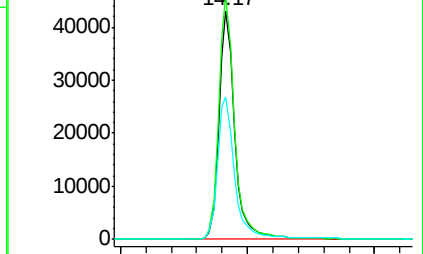
160 62.2 53.9 80.9



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#13

2,4,6-Tribromophenol

Concen: 6.86 ng

RT: 15.68 min Scan# 2205

Delta R.T. 0.00 min

Lab File: BE090817.D

Acq: 15 Sep 2015 2:20

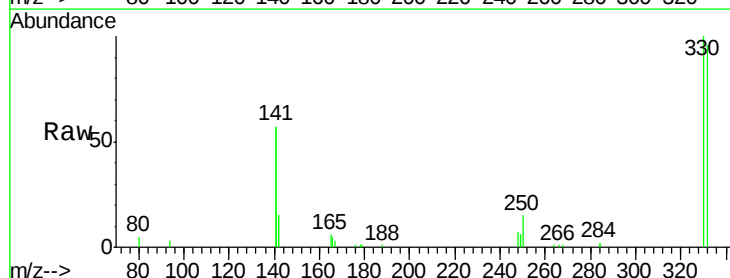
Tgt Ion:330 Resp: 14752

Ion Ratio Lower Upper

330 100

332 97.4 74.9 112.3

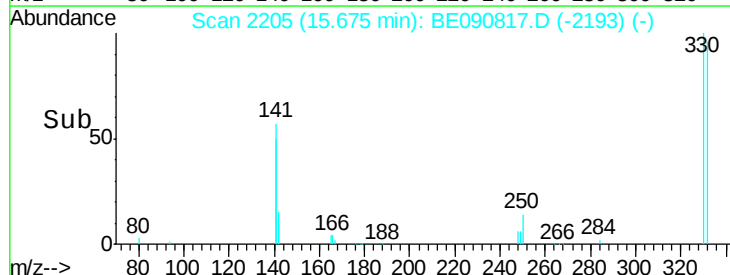
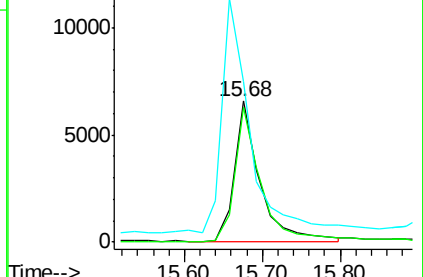
141 182.9 145.2 217.8



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

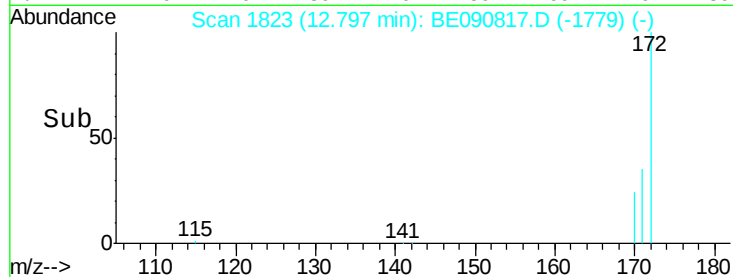
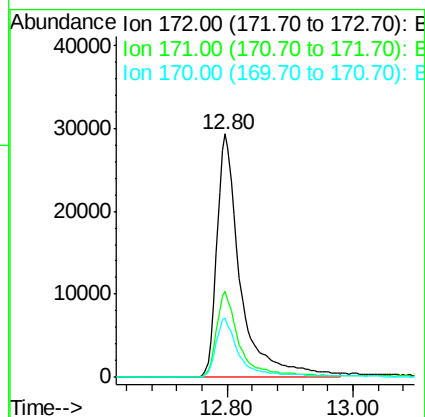
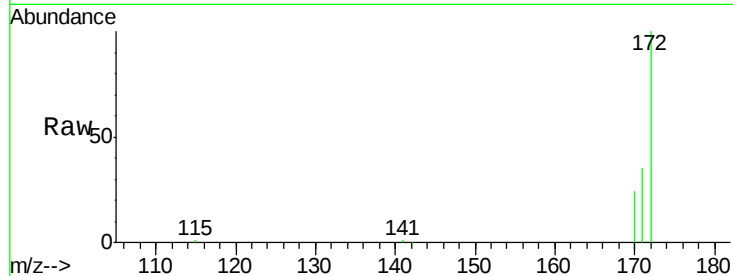




#14
2-Fluorobiphenyl
Concen: 3.71 ng
RT: 12.80 min Scan# 1823
Delta R.T. -0.00 min
Lab File: BE090817.D
Acq: 15 Sep 2015 2:20

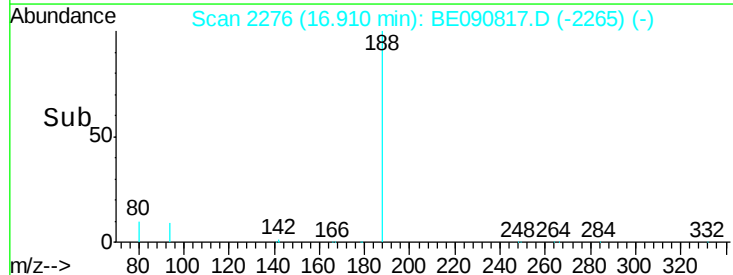
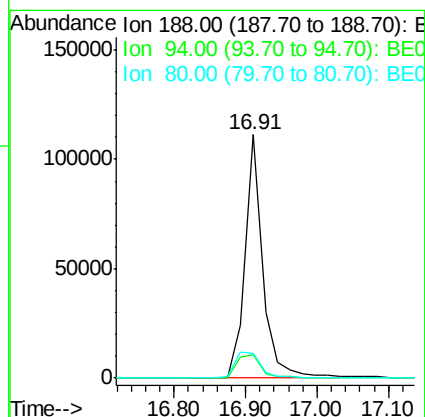
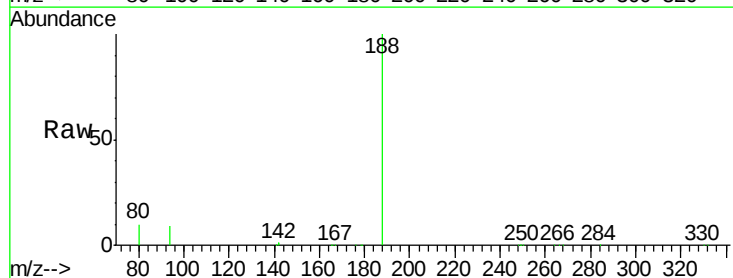
Instrument :
BNA_E
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Tot Ion:172 Resp: 75403
Ion Ratio Lower Upper
172 100
171 35.4 27.8 41.8
170 24.3 19.8 29.6



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.91 min Scan# 2276
Delta R.T. 0.00 min
Lab File: BE090817.D
Acq: 15 Sep 2015 2:20

Tgt Ion:188 Resp: 189616
Ion Ratio Lower Upper
188 100
94 9.4 10.3 15.5#
80 10.4 11.0 16.6#





#20

Hexachlorobenzene

Concen: Below Cal

RT: 16.27 min Scan# 2239

Delta R.T. 0.04 min

Lab File: BE090817.D

Acq: 15 Sep 2015 2:20

Instrument :

BNA_E

ClientSampleId :

091315-D534-F-D-B

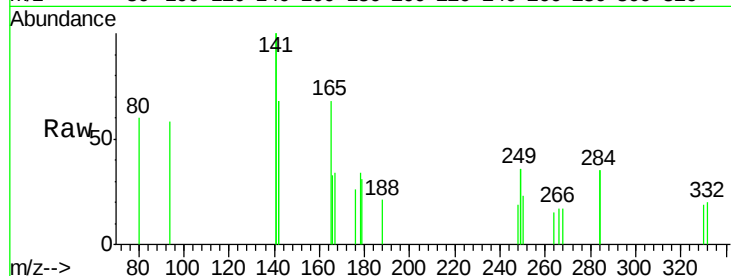
Tot Ion:284 Resp: 109

Ion Ratio Lower Upper

284 100

142 0.0 35.0 52.4#

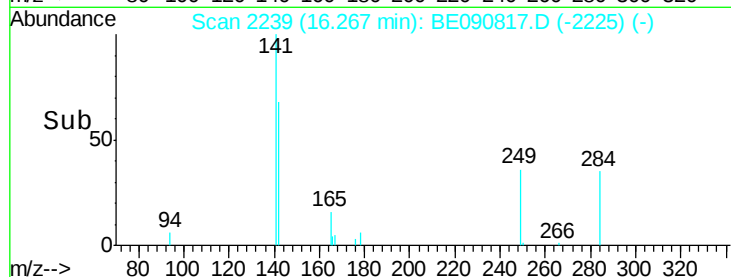
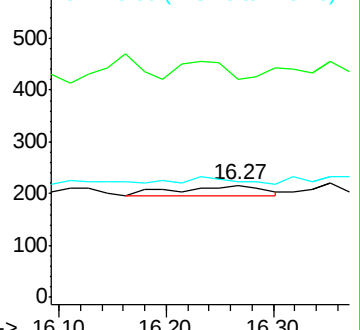
249 0.0 25.5 38.3#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#21

Pentachlorophenol

Concen: 0.47 ng

RT: 16.60 min Scan# 2258

Delta R.T. 0.00 min

Lab File: BE090817.D

Acq: 15 Sep 2015 2:20

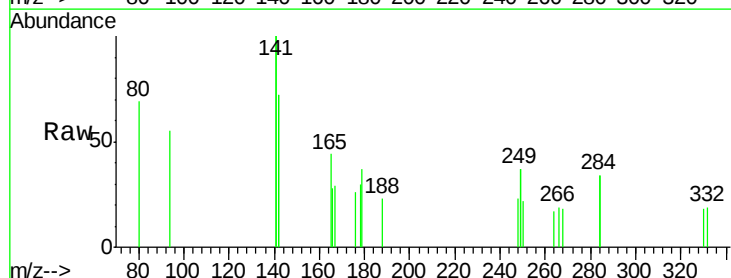
Tgt Ion:266 Resp: 17

Ion Ratio Lower Upper

266 100

268 98.2 49.6 74.4#

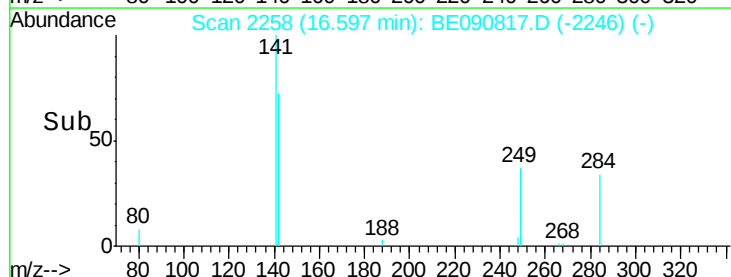
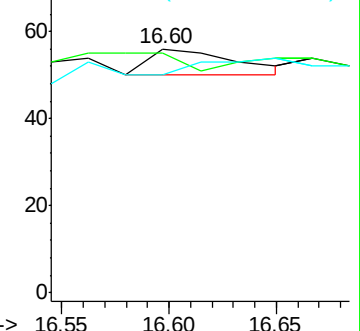
264 89.3 53.9 80.9#

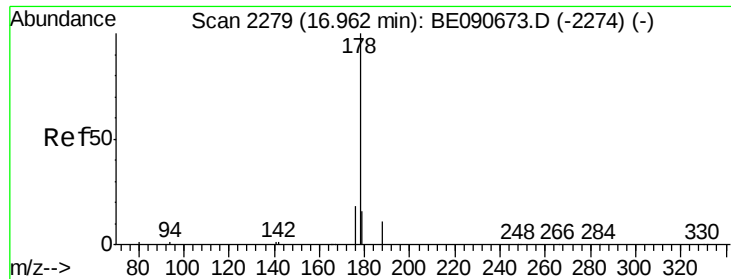


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#22

Phenanthrene

Concen: 0.02 ng

RT: 16.95 min Scan# 2278

Delta R.T. -0.02 min

Lab File: BE090817.D

Acq: 15 Sep 2015 2:20

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BNA_E

ClientSampleId :

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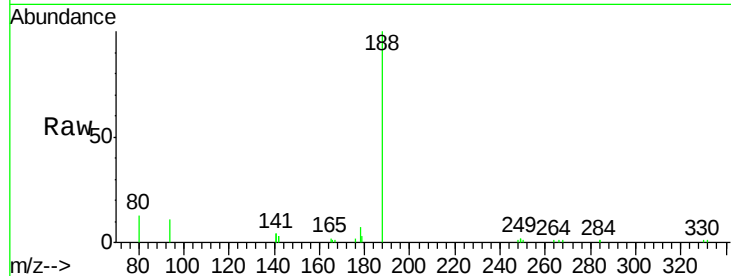
Tot Ion:178 Resp: 1043

Ion Ratio Lower Upper

178 100

176 26.4 15.6 23.4#

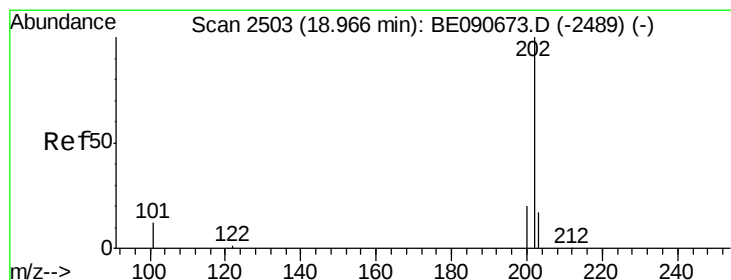
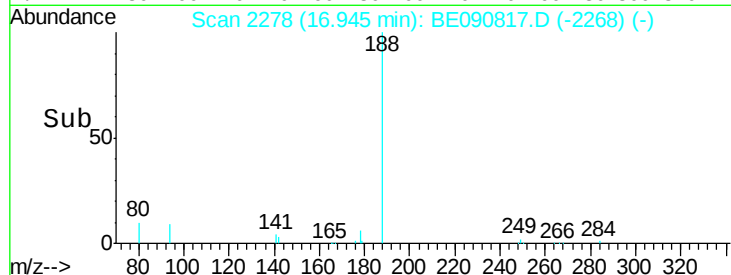
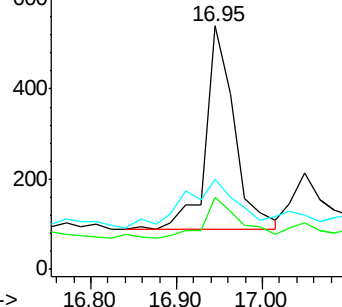
179 44.9 12.8 19.2#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Fluoranthene

Concen: 0.03 ng

RT: 18.96 min Scan# 2502

Delta R.T. -0.01 min

Lab File: BE090817.D

Acq: 15 Sep 2015 2:20

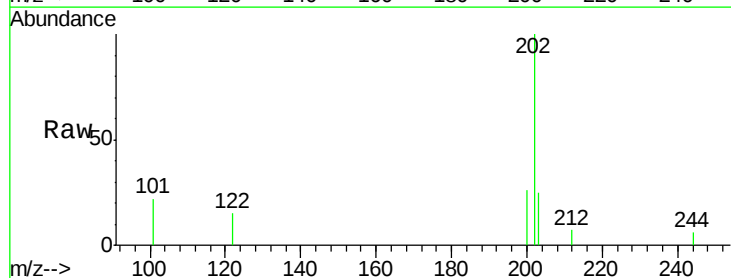
Tgt Ion:202 Resp: 1674

Ion Ratio Lower Upper

202 100

101 13.9 11.0 16.6

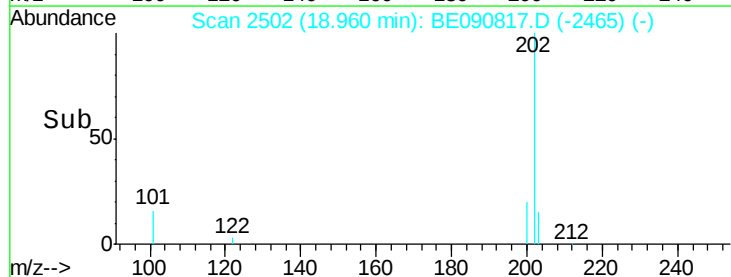
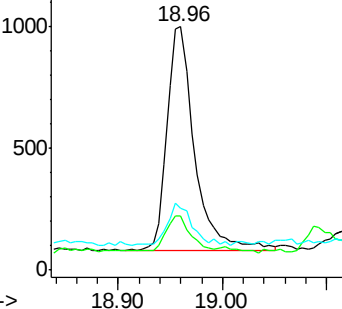
203 17.3 13.9 20.9

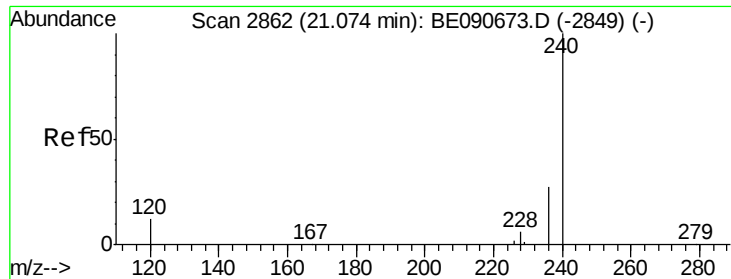


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.07 min Scan# 2861

Delta R.T. -0.01 min

Lab File: BE090817.D

Acq: 15 Sep 2015 2:20

Instrument :

BNA_E

ClientSampleId :

091315-D534-F-D-B

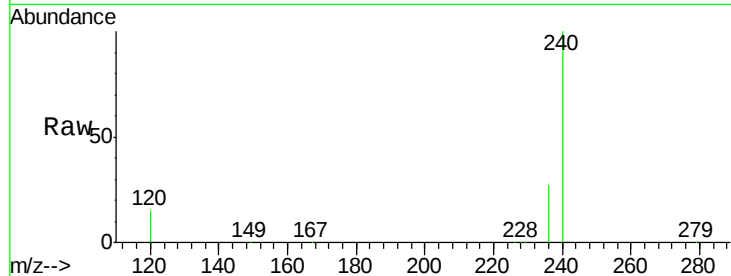
Tot Ion:240 Resp: 254272

Ion Ratio Lower Upper

240 100

120 14.8 10.1 15.1

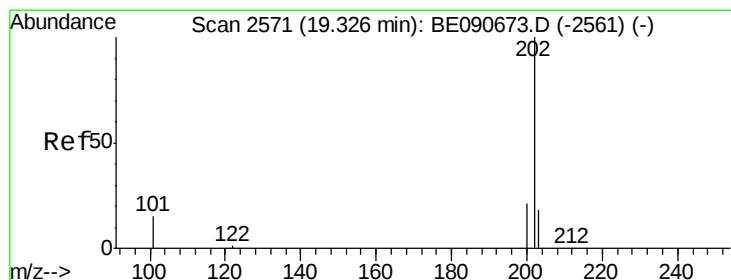
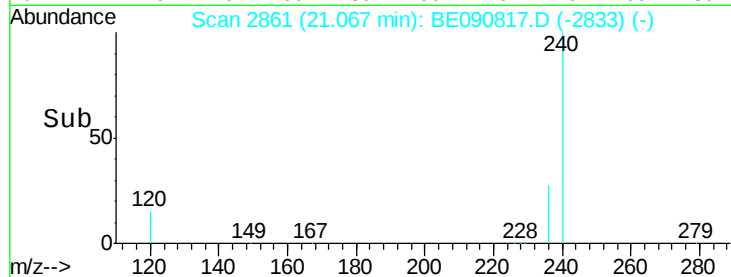
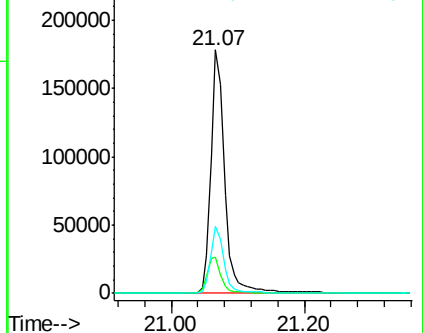
236 27.4 21.9 32.9



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#26

Pyrene

Concen: 0.04 ng

RT: 19.32 min Scan# 2569

Delta R.T. -0.01 min

Lab File: BE090817.D

Acq: 15 Sep 2015 2:20

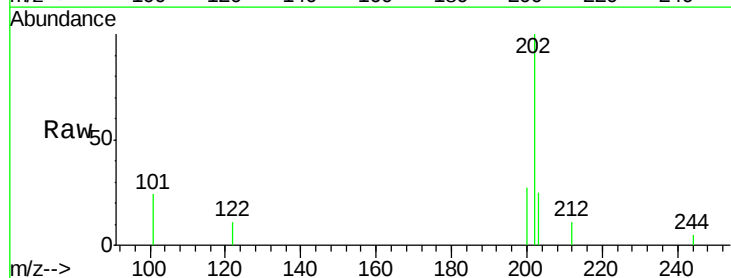
Tgt Ion:202 Resp: 2029

Ion Ratio Lower Upper

202 100

200 21.8 16.7 25.1

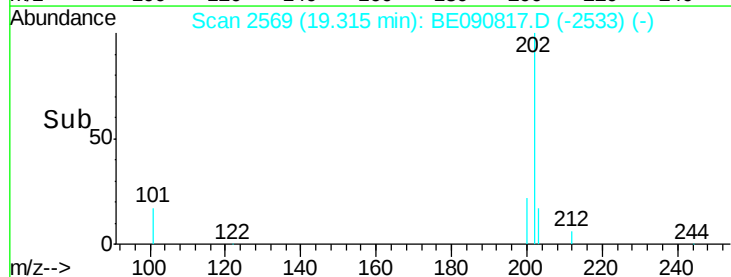
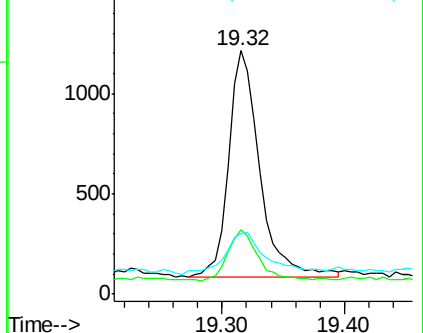
203 24.6 13.8 20.6#

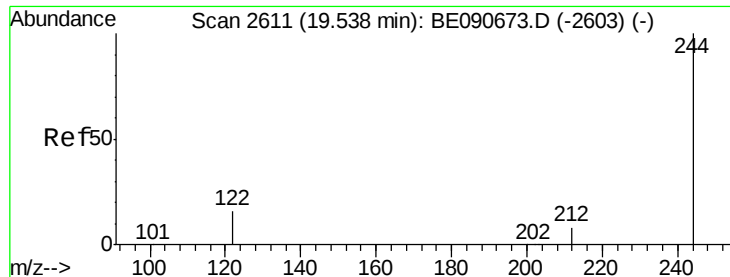


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

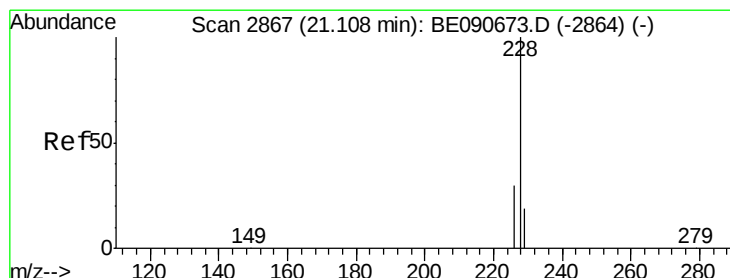
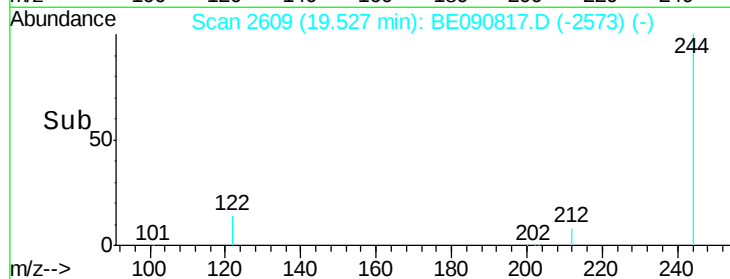
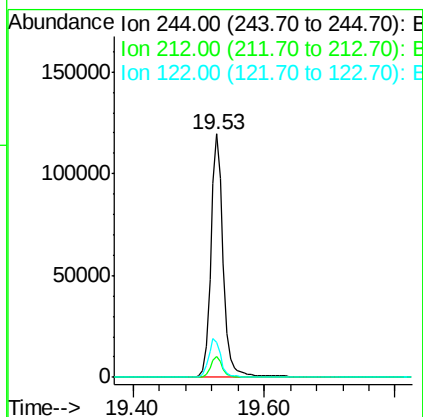
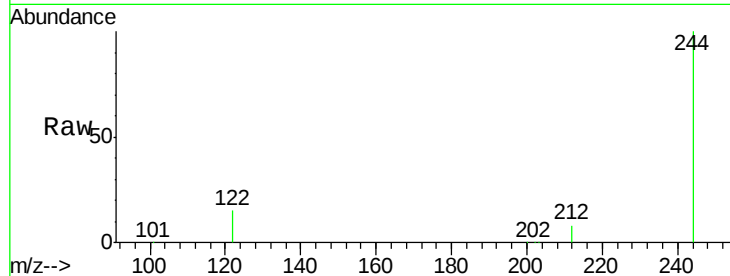




#27
 Terphenyl-d14
 Concen: 5.57 ng
 RT: 19.53 min Scan# 2609
 Delta R.T. -0.01 min
 Lab File: BE090817.D
 Acq: 15 Sep 2015 2:20

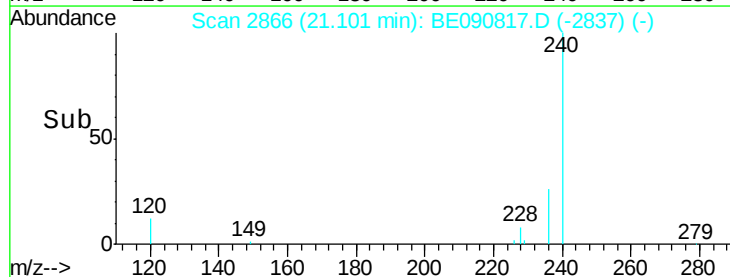
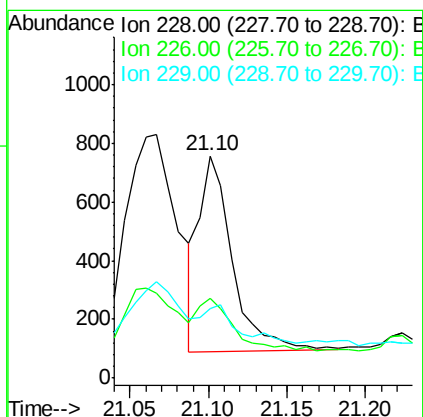
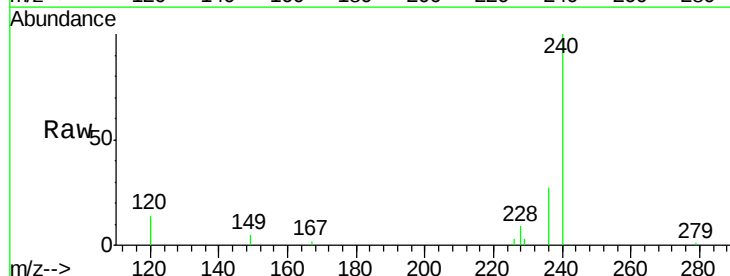
Instrument :
 BNA_E
 ClientSampleId :
 091315-D534-F-D-B

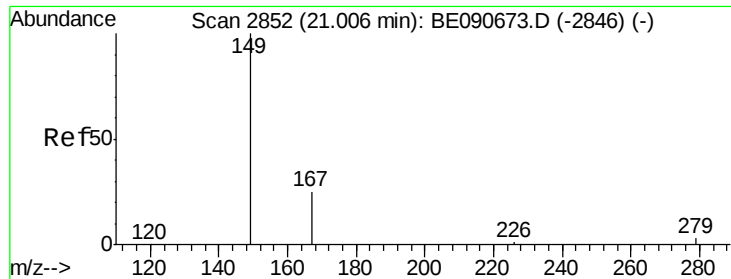
Tot Ion:244 Resp: 156680
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.9 10.3
 122 14.5 12.9 19.3



#29
 Chrysene
 Concen: Below Cal
 RT: 21.10 min Scan# 2866
 Delta R.T. -0.01 min
 Lab File: BE090817.D
 Acq: 15 Sep 2015 2:20

Tgt Ion:228 Resp: 980
 Ion Ratio Lower Upper
 228 100
 226 35.8 24.2 36.4
 229 31.6 15.3 22.9#





#30

Bis(2-ethylhexyl)phthalate

Concen: 0.51 ng

RT: 21.00 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BE090817.D

Acq: 15 Sep 2015 2:20

Instrument :

BNA_E

ClientSampleId :

091315-D534-F-D-B

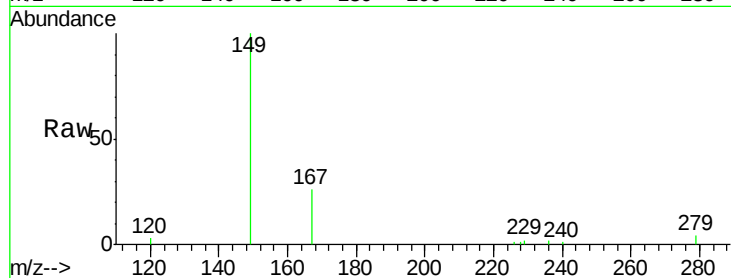
Tot Ion:149 Resp: 6644

Ion Ratio Lower Upper

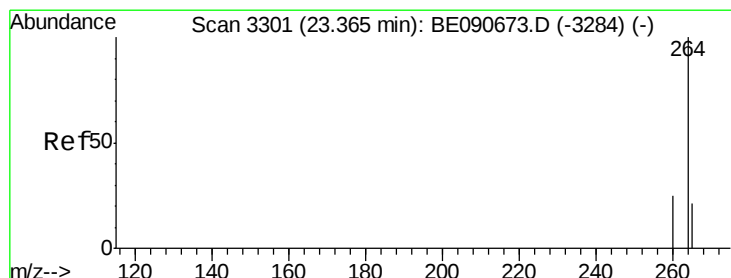
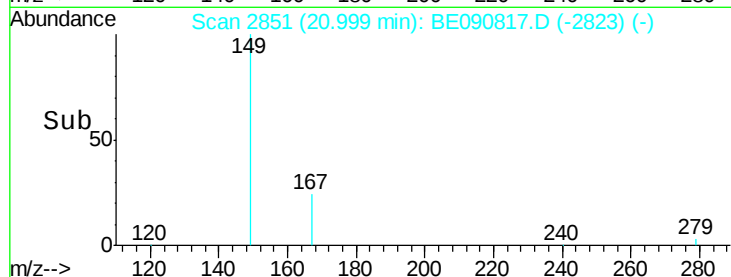
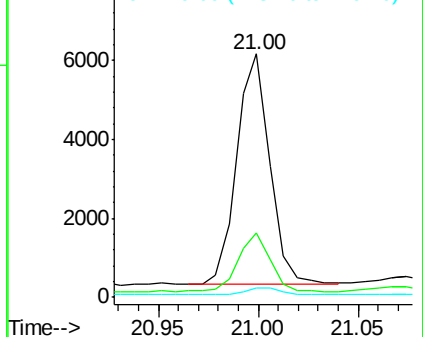
149 100

167 24.8 20.1 30.1

279 3.6 2.3 3.5#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.35 min Scan# 3298

Delta R.T. -0.01 min

Lab File: BE090817.D

Acq: 15 Sep 2015 2:20

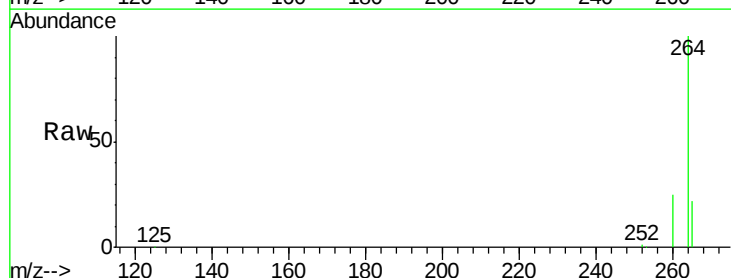
Tgt Ion:264 Resp: 238779

Ion Ratio Lower Upper

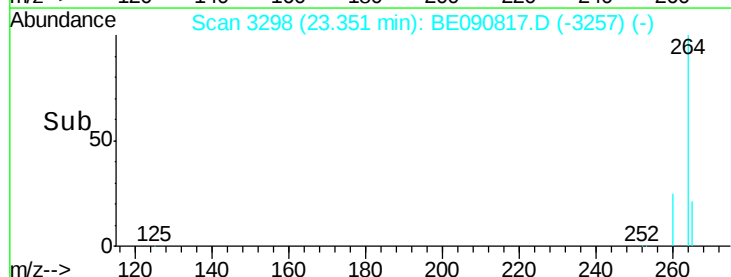
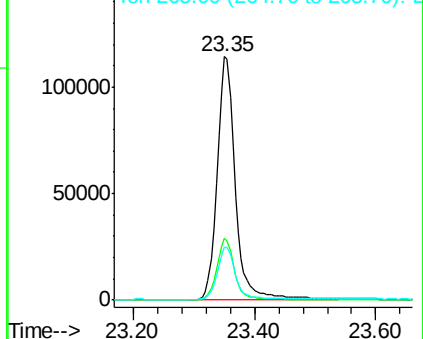
264 100

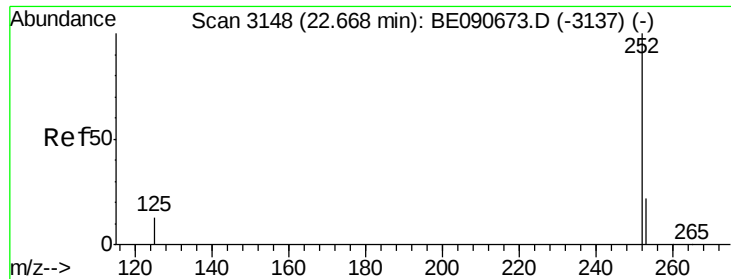
260 25.4 19.7 29.5

265 21.6 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 0.02 ng

RT: 22.67 min Scan# 3148

Delta R.T. -0.00 min

Lab File: BE090817.D

Acq: 15 Sep 2015 2:20

Instrument :

BNA_E

ClientSampleId :

091315-D534-F-D-B

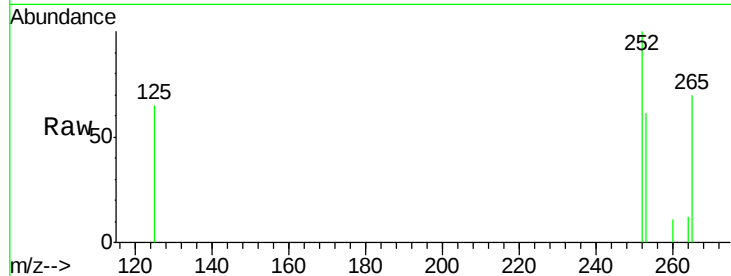
Tot Ion:252 Resp: 1173

Ion Ratio Lower Upper

252 100

253 60.7 17.9 26.9#

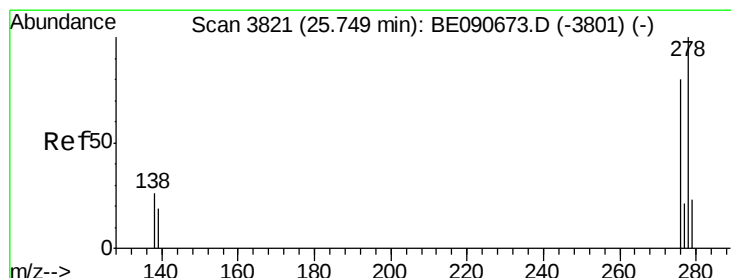
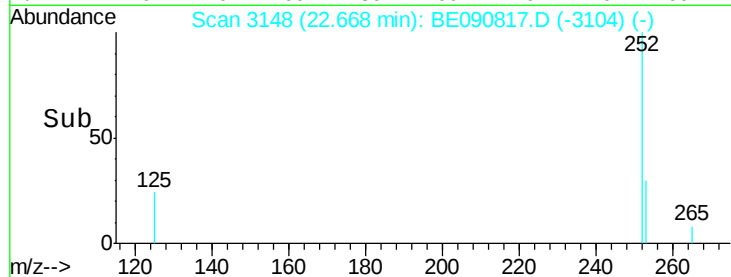
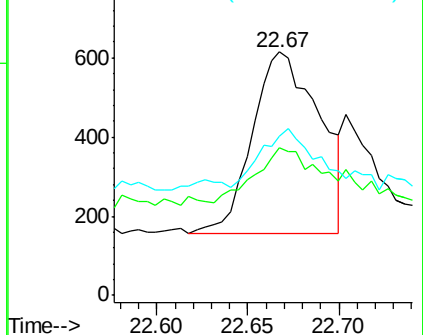
125 65.2 10.6 16.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Dibenzo(a,h)anthracene

Concen: 0.14 ng

RT: 25.74 min Scan# 3818

Delta R.T. -0.01 min

Lab File: BE090817.D

Acq: 15 Sep 2015 2:20

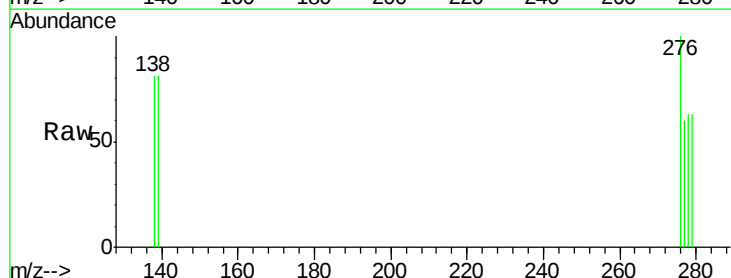
Tgt Ion:278 Resp: 34

Ion Ratio Lower Upper

278 100

139 128.4 15.4 23.0#

279 100.0 18.8 28.2#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

